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- (74) Agent: **HOPPE, James, T.**; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, MI 48641-1967 (US).
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- (71) Applicant (*for all designated States except US*): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; Washington Street, 1790 Building, Midland, MI 48674 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **PATEL, Rajen, M.** [US/US]; 114 Scarlet Oak, Lake Jackson, TX 77566 (US). **REID, Rona, L.** [US/US]; 10121 Windmill Lakes Boulevard #708, Houston, TX 77075 (US). **BATISTINI, Antonio** [IT/CH]; Schuergistrasse 67, CH-8051 Zurich (CH). **BENSASON, Selim** [TR/US]; 2347 Sheridan Road, Number 2, Houston, TX 77030 (US). **HO, Thoi, H.** [US/US]; 54 Orchid Court, Lake Jackson, TX 77566 (US).
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(54) Title: REVERSIBLE, HEAT-SET, ELASTIC FIBERS, AND METHOD OF MAKING AND ARTICLES MADE FROM SAME

(57) Abstract: A reversible, heat-set covered fiber is described, the covered fiber comprising: A. A core comprising an elastic fiber comprising a substantially crosslinked, temperature-stable, olefin polymer; and B. A cover comprising an inelastic fiber. The fiber is heat-set by a method comprising: (a) Stretching the covered fiber by applying a stretching force to the covered fiber; (b) Heating the stretched covered fiber of (a) to a temperature in excess of the crystalline melting point of the olefin polymer for a period of time sufficient to at least partially melt the olefin polymer; (c) Cooling the stretched and heated covered fiber of (b) to a temperature below the crystalline melting point of the olefin polymer for a period of time sufficient to solidify the polymer; and (d) Removing the stretching force from the covered fiber.

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